$$T(N) = T(N/2) + log_2h$$
  
 $T(N/2) = T(N/2^2) + log_2(N/2)$   
 $T(N/2^2) = T(N/2^3) + log_2(N/2^2)$ 

T(n) = T(n/2 + 10gs(n/2 x-1)

T(n)= T(n) + \( \frac{k-1}{2} \) T(g\_2 (n/2))

 $T(N) = \sum_{i=0}^{k-1} \frac{\log_2 n}{\log_2 2^i}$ 

Tink = 1002h

Tint = logsh En 1.

Tint = logsh En 1.

Tint = logsh En 1.

La Domina o Somatório

TINI= logz h

Complexidade O(logan)

 $\frac{n}{2^k} = 1$ th= log, n